

1. A roll of paperband adaptable for use in paper web cutting and turn-up systems or for use in bailing, said paperband comprising:

an elongate core including an elongate element having a longitudinal axis with a plurality of longitudinal creases disposed throughout same to form said core with a non-uniform and non-planar outer surface;

an elongate covering member folded about said core, said covering member including a generally smooth outer surface extending along a length of said core, said covering member having a central long axis and side edge portions spaced from and substantially parallel to said central axis with one said side edge portion overlapping another said side edge portion, adhesive means for attaching said overlapping side edge portions together; and

bonding means for attaching said core to said covering member.

2. The roll of paperband of Claim 1, wherein said plurality of longitudinal creases define a plurality of randomly non-uniform fold angles relative to a plane of said core, said plurality of fold angles providing differing spatial dimensions therebetween.

3. The roll of paperband of Claim 1, wherein said element and said covering member are deformable for allowing said paperband to be formed into predetermined shapes.

4. The roll of paperband of Claim 1, wherein said element and said covering member are deformable for allowing said paperband to be formed into a generally rectangular cross-sectional shape.

5. The roll of paperband of Claim 1, wherein said core includes at least another element substantially similar to said element disposed side-by-side and substantially parallel to each other along respective said longitudinal axis.

6. The roll of paperband of Claim 1, wherein said paperband includes elongate outer edge portions spaced from said longitudinal axis, said elongate outer edge portions

extending substantially equidistant laterally inwardly and forming thin and pliable portions, said thin and pliable portions being readily bendable upwardly and downwardly to permit ease of release from a slotted track of a web turn-up system.

7. The roll of paperband of Claim 6, wherein said thin and pliable portions include a plurality of creases extending laterally thereacross for providing a serrated surface to enhance cutting of a paper web in a web turn-up system.

8. The roll of paperband of Claim 1, wherein said covering member includes an upper and a lower portion with said core being housed therebetween, said core being thickest along said longitudinal axis.

9. The roll of paperband of Claim 1, further including a plurality of longitudinal creases extending along said paperband covering member for enhancing bending of said paperband upwardly and downwardly along its length and adjacent its edges.

10. The roll of paperband of Claim 1, wherein said element is twisted generally about its longitudinal axis prior to being enveloped by said covering member.

11. The roll of paperband of Claim 1 wherein said element is shredded into ribbons along said axis prior to being covered by said covering member.

12. The roll of paperband of Claim 11 wherein said bonding means attaches said ribbons together.

13. The roll of paperband of Claim 5, wherein said bonding means includes an adhesive for attaching said core elements to each other.

14. The roll of paperband of Claim 5, wherein said core elements are randomly positioned adjacent to each other for providing a thicker mid-portion.

15. The roll of paperband of Claim 1, wherein said core is formed of paper.
16. The roll of paperband of Claim 15, wherein said covering member is formed of paper.
17. The roll of paperband of Claim 1 wherein said element is convoluted along said axis prior to being covered by said covering member.
18. The roll of paperband of Claim 17 wherein said core includes at least another element that is convoluted along its said axis, and said bonding means attaches said element and at least another element together.
19. The roll of paperband of Claim 1 wherein said core includes a plurality of other elements stacked on each other and shredded into ribbons, said bonding means attaching said ribbons together prior to being covered by said covering member.
20. The roll of paperband of Claim 1, wherein said adhesive means is water-soluble.
21. The roll of paperband of Claim 1, wherein said adhesive means is biodegradable.
22. The roll of paperband of Claim 1, wherein said bonding means is water-soluble and biodegradable.
23. The roll of paperband of Claim 1, wherein said core is formed of synthetic material.
24. The roll of paperband of Claim 17, wherein said covering member is formed of synthetic material.
25. The roll of paperband of Claim 1 wherein said element is longitudinally scored or perforated adjacent its respective edges prior to being covered by said covering member causing said element to be bendable therealong.

26. A roll of paperband for use in paper web cutting and turn-up systems or for use in bailing, said paperband comprising:

an elongate core having a longitudinal axis and a plurality of side-by-side elongate elements, each said element including a plurality of longitudinal creases disposed throughout same so that said elements have non-uniform and non-planar outer surfaces, respectively;

an elongate covering member thinner than and folded about said core, said covering member having a central long axis and overlapping side portions spaced from and substantially parallel to said central axis, said covering member including a generally smooth outer surface extending along a length of said core; and

adhesive means for attaching said overlapping side portions together and for bonding said core to said covering member.

27. The roll of paperband of Claim 26, wherein said paperband has a generally rectangular cross-sectional shape.

28. The roll of paperband of Claim 27, wherein said paperband includes opposed elongate edges spaced from said central long axis, said elongate edges extending substantially equidistant laterally inwardly and forming pliable elongate portions, said pliable portions being readily bendable upwardly and downwardly to permit ease of release from a slotted track of a web turn-up system.

29. The roll of paperband of Claim 28, wherein said pliable portions include a plurality of creases extending laterally thereacross for providing a serrated surface to enhance cutting of a paper web in a web turn-up system.

30. The roll of paperband of Claim 26, wherein said adhesive means is water-soluble and biodegradable.

31. The roll of paperband of Claim 30, wherein said core and said covering member are formed of paper.

32. The roll of paperband of Claim 26, wherein said adhesive means is dispersed within said creases of each said element.

33. The roll of paperband of Claim 26, wherein said adhesive means is dispersed on said outer surface of said covering member to permit activation thereof for attaching a cut portion of said paperband to itself.

34. A roll of paperband for use in paper web cutting and turn-up systems or for use in bailing, said paperband comprising:

- an elongate core having a longitudinal axis and a plurality of elongate elements disposed non-uniformly throughout and adhesively connected together with air spaces throughout;

- an elongate covering member thinner than and folded about said core, said covering member having a central axis parallel to said axis and overlapping side portions spaced from and substantially parallel to said central axis, said covering member including a generally smooth outer surface extending along a length of said core; and

- adhesive means for attaching said overlapping side portions together and for bonding said core to said covering member.

35. The roll of paperband of Claim 34, wherein said adhesive means is dispersed on said outer surface of said covering member.

36. The roll of paperband of Claim 34, wherein said paperband has a generally rectangular cross-sectional shape.

37. The roll of paperband of Claim 36, wherein said paperband includes opposed elongate edges spaced from said central axis, said elongate edges extending substantially equidistant laterally inwardly and forming pliable elongate portions, said pliable portions being readily bendable upwardly and downwardly to permit ease of release from a slotted track of a web turn-up system.

38. The roll of paperband of Claim 37, wherein said pliable portions include a plurality of creases extending laterally thereacross for providing a serrated surface to enhance cutting of a paper web in a web turn-up system, and providing for a smooth, uniform radius when said band is wound around an empty spool of a web turn-up system.

39. The roll of paperband of Claim 34, wherein said adhesive means is water-soluble and biodegradable.

40. The roll of paperband of Claim 39, wherein said core and said covering member are formed of paper.